Task Force Web

NPS Brief
21 February 2003

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LCDR, USN

- **Graduated with an MA (Military History) from Old Dominion ('93)**
- **Conducted vast majority of archival research at NHC**
- **I know who Kate Tarabian is, and why she is important!!**

AWACS AND HAWKEYES
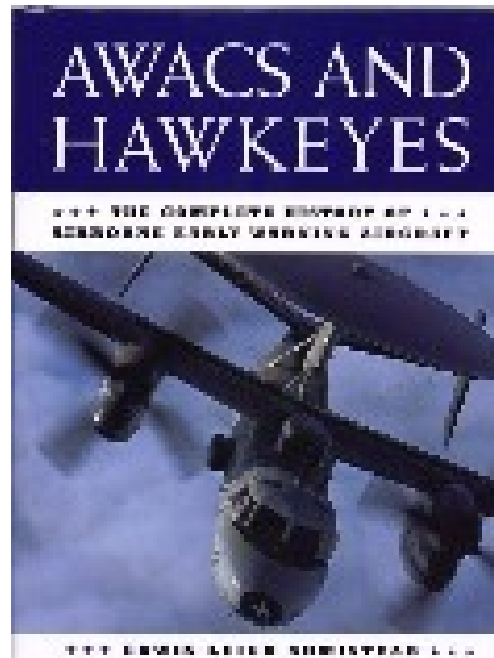
Introduction

- **What is Task Force Web?**

- **What is a Web-Enabled Navy?**

- **What are we trying to accomplish?**

Task Force Web Charter

- **NAVADMIN 077/01 3 April 2001 chartered TFW to lead the web transition effort by:**
  - **Establishing and maintaining the web architectural blueprint**
  - **Coordinating IT systems architectures**
  - **Providing recommendations to CNO on Web Enablement technologies**
  - **Reviewing Operational Requirements Documents (ORD) and Mission Needs Statements (MNS) for Web Enablement**
  - **Working with SYSCOMS and PEOS in prioritizing and migrating existing systems**

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Task Force Web

 "We are completely changing the dynamic of web services and the transformation that is engendering. We are trying to do something fundamentally transformational. This isn't just about a portal."

- Ms Monica Shephard, Commander, TFW

What we're trying to accomplish

- **A revolutionary change in the way the US Navy does business**

- **Transitioning to a networked organization for the 21st Century**

The Bottom Line

- **IT is changing the entire world – not just the navy**

- **There are multiple paths all generally moving in the same direction**

- **NMCI is here to stay – the academic community cannot avoid going to the dark side!!**

Numerous Web Sites -- Increasing Every Day

Desired State of Web Access

TF Web

Accessible
via Business and
Tactical web services

Navy Marine Corps Intranet

IT21
Marine Corps Tactical Network

Industry Partners

Navy Learning Network

".edu"

Replicated
Data Bases
Per Mission
Requirements

Extranet

Defense Information System Network (DISN) / Global Information Grid (GIG)

Training Center

SYSCOM

Pier Connections

HQ

TELEPORT Network Operations Center (DISN Interface)

Fleet & USMC Deployed Forces

Clinic

Authoritative
Data Sources
and Data **Consolidation**

Common User Access
Between Afloat and Shore
(both Classified & Unclas)

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Operational and business processes are conducted worldwide via interconnected and interoperable web-based IT systems.

WEN Benefits

- **Improved access to information services**

- **Improved interoperability through the use of industry standard technology**

- **Improved Information Assurance (IA) posture through Single Sign On (SSO)**

- **Improved quality of information (use of authoritative data)**

Enterprise Portal Objectives

- **What does the portal do for a user?**
  - Aggregation and categorization of content
  - Customizable for a users roles and responsibilities
  - Can be personalized by a user to their work needs
  - Access to common tools and information
- **What does the portal do for a developer?**
  - Common look and feel support
  - Standard services for presentation and rendering
  - Access to aggregated services
  - Common identity authentication support

Enterprise Portal Advantages

- **User has access to:**
  - Improved data exchange
  - Standardized of data replication
  - Can operate disconnected
  - Locally stored critical content
  - Consolidated application servers (reduced footprint/maintenance)

Navy Enterprise Portal (NEP)
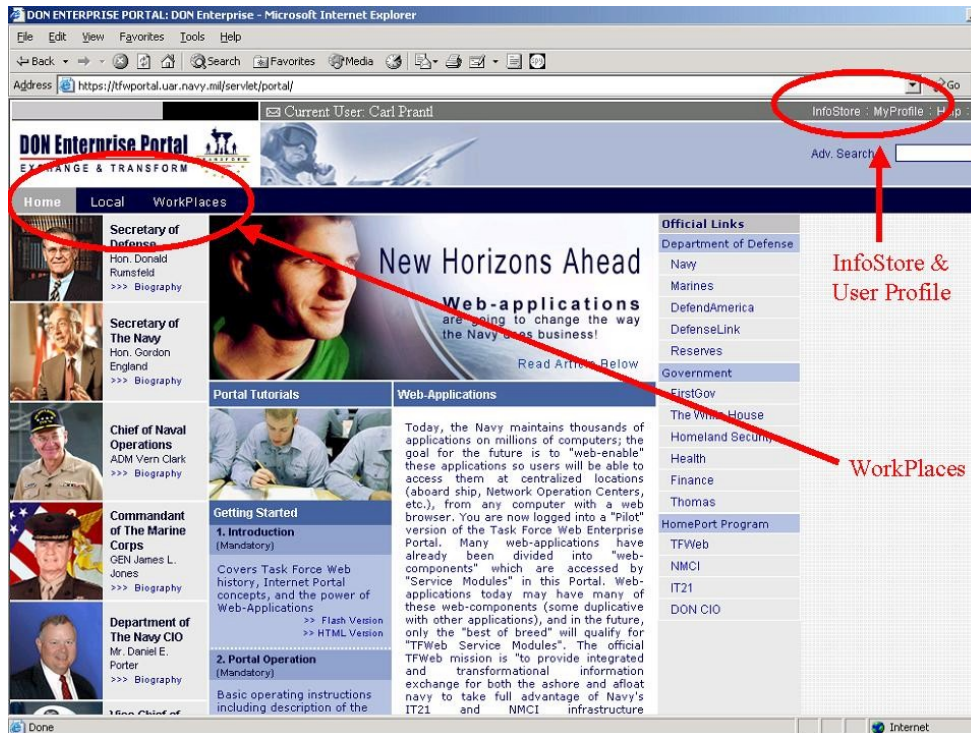
- **Aggregates content into workplaces**

- **Categorizes content through the InfoStore**

- **User personalization**

- **Common look and feel**

- **Customized content**

What is a Portlet?
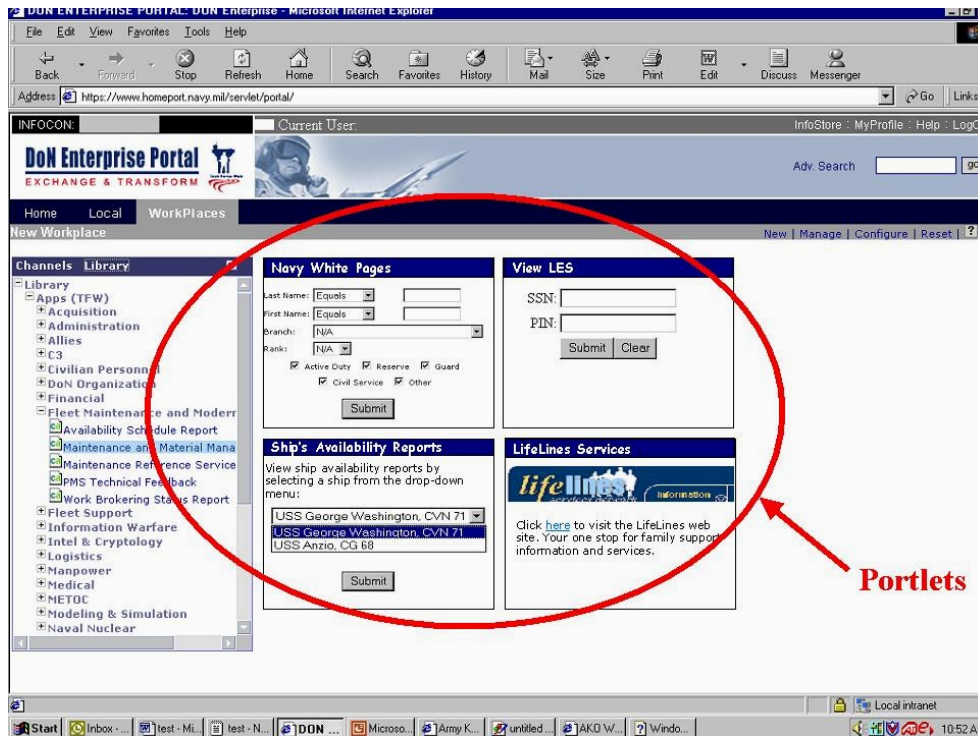
- **Visible, active window seen within the portal**

- **Integration point between the portal and web service**

- **Implemented using many technologies**

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Application/Data Integration

Portal Access

- **Thru CFFC instantiation, IT21 ship with portal installed, planned for BLII sites**

- **Secure Web Access being worked for users outside these enclaves**

- **Uses standard web browser (IE 5.5), Netscape (and others) supported with limitations**

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Ashore/Afloat Portal

- **NIPRNET/SIPRNET Portal currently available at CFFC**

  https://portal.tfw.navy.mil
- **Planned installs at CPF/CNE this Spring**
- **Pilot installed on GW - changes were made based on pilot lessons learned**
- **Production portal installed on TRBG in Jan 03, with C2F to follow**

How to Comply with TFWeb

- **Download and read the Navy Enterprise Application Developer's Guide (NEADG)**

- **Review the TFWeb Architecture and processes in "TFWeb Info" workplace**

- **Review TFWeb FAQ on the "Developer's Resources" workplace**

- **Develop a User Facing Service (UFS) and modify it to fit your application**
  - **https://tfw-opensource.spawar.navy.mil**

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How to Comply with TFWeb

- **Modify HTML or XML output of the service or application, as needed to meet TFW guidelines**

- **Preliminary Developer's testing can be requested by registering on OpSS**

- **Submit the Application Migration Registration (AMR) Package to begin beta certification testing**

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Developer Support Resources

- **OpenSource Site (OpSS)**
- **Developer's Guide**
- **Developer Test Site Registration**
- **Developer FAQs**
- **Migration Checklist**
- **Sample Migration Package**
- **Test Plan Template with test cases**
- **Technical Assistance Request Form (TARF)**

https://tfw-opensource.spawar.navy.mil
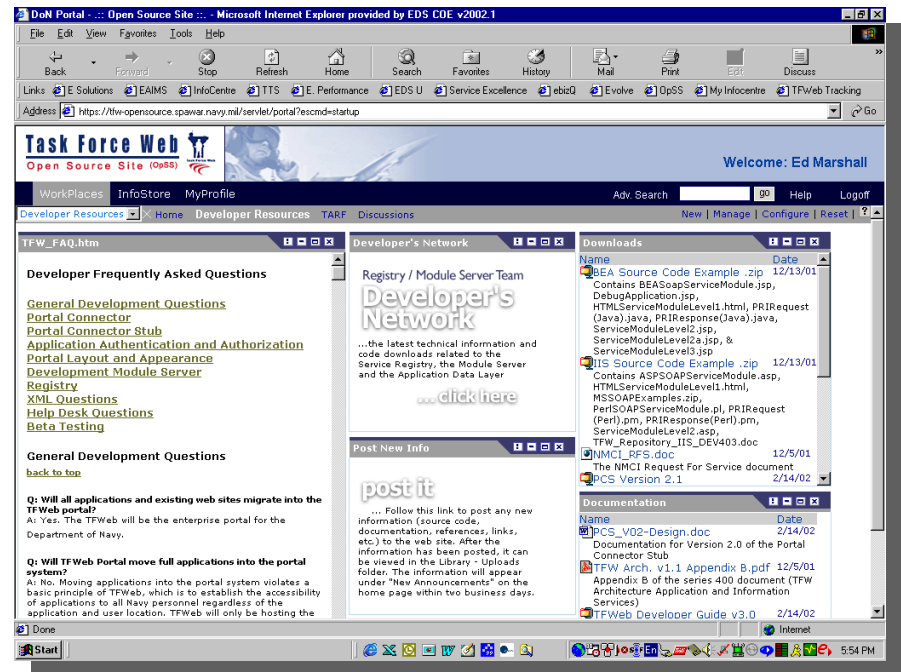
Ongoing Development

- **Industry Standards based**
  - **Hardware independent**
  - **Open Source Portal**
  - **Single Sign On**
  - **PKI**
- **Working with DISA and Joint/Allied partners to improve web interoperability**
- **Hosting Mobile Code**

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TFW's Mission reaffirmed

- **Legacy Application Warfare (CNNWC 151939Z JAN 03)**

- **NMCI and Enterprise IT Issues (CNO N6N7 131730Z Jan 03)**

NETWARCOM

Mission ★ People ★ Capability

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TFW is here to help!!